

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L42	3	((("6365266") or ("6471761") or ("20020187335")).PN.	US-PGPUB; USPAT	OR	OFF	2007/09/20 17:05
L43	29408	sol gel or sol-gel or solgel	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 17:20
L44	4351241	coat\$3 or deposit\$3 or film\$3 or layer\$3	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 17:22
L45	491283	mask or photomask or reticle	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 17:33
L46	21476	(phas\$3 or shift\$3) near3 45 or \$3PSM	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 17:35
L47	1	(43 and 44 and 46).ti,ab.	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 17:41
L48	9	46.ti,ab. and 43 with 44 not 47	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 18:32
L49	26	46 same 43 same 44 not 47 not 48	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 18:33
L50	1051	(45 or 46) same (direct\$3 writ\$3 nanolithograph\$2 or atomic force or AFM or scan\$4 tunnel\$3 or STM or dip pen nanolithograph\$2 or DPN or dip pen lithograph\$3 or DPL) not 47 not 48 not 49	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 19:06
L51	26	50 and 43 with 44	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 18:39
L52	88	(43) same (direct\$3 writ\$3 nanolithograph\$2 or atomic force or AFM or scan\$4 tunnel\$3 or STM or dip pen nanolithograph\$2 or DPN or dip pen lithograph\$3 or DPL) not 47 not 48 not 49 not 51	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 18:41
L53	1	52 and (44 or add\$5) same (repair\$3)	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 18:44
L54	2	52 and repair\$3 not 53	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 18:45

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L55	34	52 and (45 or 46) not 53 not 54	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 18:49
L56	51	52 not 53 not 54 not 55	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 18:49
L57	16	50 and (44 and repair\$3).ti,ab. not 47 not 48 not 49 not 51 not 53 not 54 not 55 not 56	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 19:12
L58	81	50 and (44 or add\$5) same repair\$3 not 47 not 48 not 49 not 51 not 53 not 54 not 55 not 56 not 57	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 19:29
L59	19	58 and (44 or add\$5) with (ink\$3 or liquid or solution or precursor)	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 19:19
L60	6	58 and (44 or add\$5) same (ink\$3 or liquid or solution or precursor) not 59	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 19:20
L61	9088	430/5.ccls.	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 19:21
L62	7314	250/306-307,309-311.ccls.	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 19:22
L63	6488	(250/492.2,492.22,492.3).ccls.	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 19:27
L64	12688	427/466,469-470,498,504,510-512, 532,552,553,595,140,142,164,165, 169,226,229,256,261,265,266,287. ccls.	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 19:27
L65	261	61 and (62 or 63)	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 19:28
L66	78	65 and (44 or add\$5) same (repair\$3 or defect\$3) not 47 not 48 not 49 not 51 not 53 not 54 not 55 not 56 not 57 not 59 not 60	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 19:31
L67	41	66 and (repair\$3 or defect\$3).ti,ab.	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 19:43
L68	30459	nanoparticle or nano particle	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 19:39
L69	489	43 same (44 or add\$5) same 68	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 19:50

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L70	6	69 and (45 or 46) same (repair\$3 or defect\$3) not 47 not 48 not 49 not 51 not 53 not 54 not 55 not 56 not 57 not 59 not 60 not 67	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 19:52
L71	4	61 and 43 same (repair\$3 or defect\$3) not 47 not 48 not 49 not 51 not 53 not 54 not 55 not 56 not 57 not 59 not 60 not 67 not 70	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 19:54
L72	9	(45 or 46) same 43 same (repair\$3 or defect\$3) not 47 not 48 not 49 not 51 not 53 not 54 not 55 not 56 not 57 not 59 not 60 not 67 not 70 not 71	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 19:55
L73	30599	direct\$3 writ\$3 nanolithograph\$2 or atomic force or AFM or scan\$4 tunnel\$3 or STM or dip pen nanolithograph\$2 or DPN or dip pen lithograph\$3 or DPL	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 19:59
L74	4028	(direct\$3 writ\$3 nanolithograph\$2 or atomic force or AFM or scan\$4 tunnel\$3 or STM or dip pen nanolithograph\$2 or DPN or dip pen lithograph\$3 or DPL).ti,ab.	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 19:59
L75	1114	977/849-851,855-857,860-864, 874-879,892,895-897,962.ccls.	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 20:00
L76	5	(62 or 63 or 64) and (tip or probe) with (hydrophobic and (polymer or elastomer or elastomeric))	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 20:17
L77	7	73 and (tip or probe) with siloxane with (hydrophobic or polymer)	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 20:05
L78	1249	74 same (44 or add\$5)	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 20:07
L79	116	78 and (62 or 63 or 64)	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 20:08
L80	39	79 and 75	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 20:09
L81	1923	73 and (44 or add\$5) same (hydrophobic and (polymer or elastomer or elastomeric)) not 76 not 77 not 80	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 20:13
L82	17	(62 or 63 or 64) and (tip or probe) same (hydrophobic and (polymer or elastomer or elastomeric)) not 76 not 77 not 80	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 20:19

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L83	12	81 and substrate with chemisorb not 82	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 20:21
L84	11	73 and ink same chemisorb same substrate not 76 not 77 not 80 not 82 not 83	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 20:23
L85	603	(62 or 63 or 75) and (tip or probe) with reflect\$3 not 76 not 77 not 80 not 82 not 83 not 84	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 20:31
L86	1	85 and (tip or probe) with reflect\$3 with back\$3.ti,ab.	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 20:29
L87	5	85 and (tip or probe) with reflect\$3 with (feedback or feed back or control\$4).ti,ab. not 86	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 20:30
L88	22	(62 or 63 or 75) and (tip or probe) with (enhanc\$3 or increas\$3 or expand\$3) with (surface near3 area) not 76 not 77 not 80 not 82 not 83 not 84 not 86 not 87	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 20:33
L89	172	(62 or 63 or 64 or 75 or 73) and ((tip or probe) same (decreas\$3 or reduc\$3 or restrict\$3 or minimiz\$3) same (evaporat\$3 or vapor\$7 or loss or lost or losing) same (ink\$3 or solvent or solution or liquid)) not 76 not 77 not 80 not 82 not 83 not 84 not 86 not 87 not 88	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 20:45
L90	2	89 and (tip or probe) same (spong\$3 or porous or pad\$4 or soak\$3 or compress\$3) near2 (layer or film or coating)	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 20:43
L91	24	89 and (tip or probe) same (spong\$3 or porous or pad\$4 or soak\$3 or compress\$3) same (layer or film or coating) not 90	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 20:43
L92	9	(62 or 63 or 64 or 75 or 73) and ((tip or probe) same print\$3 same (ink\$3 or solution or liquid)).ti,ab. not 76 not 77 not 80 not 82 not 83 not 84 not 86 not 87 not 88 not 90 not 91	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 20:47
L93	26	(62 or 63 or 64 or 75 or 73) and ((tip or probe) same 43 same (ink\$3 or solution or liquid)) not 76 not 77 not 80 not 82 not 83 not 84 not 86 not 87 not 88 not 90 not 91 not 92	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 20:48

## EAST Search History

L94	154	(Crocker-Percy or Van-Crocker-Percy or Cruchon-Dupeyrat-Sylvain or Demers-Linette or Elghanian-Robert or Disawal-Sandeep or Amro-Nabil or Zhang-Hua).in. not 47 not 48 not 49 not 51 not 53 not 54 not 55 not 56 not 57 not 59 not 60 not 67 not 70 not 71 not 72 not 76 not 77 not 80 not 82 not 83 not 84 not 86 not 87 not 88 not 90 not 91 not 92 not 93	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 21:03
L95	0	(NanoInk or Nano Ink).as. and (( (45 or 46) and (repair\$3 or defect\$3) and (44 or add\$5) and 43 ) or ( 73 and hydrophobic and (polymer\$2 or elastomer or elastomeric or spong\$3 or absor\$5 or chemisor\$5) and ((glass transition near3 temperature) or glass near3 temperature or T".sub. g" or soft or flex\$4 or compress\$4) )) not 47 not 48 not 49 not 51 not 53 not 54 not 55 not 56 not 57 not 59 not 60 not 67 not 70 not 71 not 72 not 76 not 77 not 80 not 82 not 83 not 84 not 86 not 87 not 88 not 90 not 91 not 92 not 93 not 94	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/09/20 21:22